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USDOC FOR 532/OEA/M. NICKSON-D/JAY HATFIELD
USDOC FOR 3131/USFCS/OIO/ANESA/KREISSL
USDOC FOR 4530/MAC/ANESA/OSA
ICE HQ FOR STRATEGIC INVESTIGATIONS
STATE FOR EB/ESP

E.O. 12958: N/A

TAGS: [BEXP](#) [ETRD](#) [ETTC](#) [IN](#)

SUBJECT: EXTRANCHECK: POST-SHIPMENT VERIFICATION: ISTRAC, INDIAN
SPACE RESEARCH ORGANIZATION, GOVERNMENT OF INDIA, BANGALORE, INDIA.

REF: USDOC 03873

11. Unauthorized disclosure of the information provided below is prohibited by Section 12(c) of the Export Administration Act.

12. On May 7, 2008, Export Control Officer (ECO) Paul Cushman and BIS FSN Shailendra Srivastava conducted a Post-Shipment Verification (PSV) at the Telemetry, Tracking and Command Network (ISTRAC), Indian Space Research Organization (ISRO), Bangalore.

13. BIS requested this PSV as ISTRAC was listed as the ultimate consignee for two 5071A-COOL Primary Frequency Standards manufactured by SYMMETRICOM of San Jose, California. Export License: D359590. ECCN: 3A002.

14. ECO and FSN Srivastava met with Mr. O. Chiranjeevi, Deputy Director, Ms. Vani Ramachandra, Head -Administration, Mr. P. Ramalingham, Group Head - Program, Planning and Evaluation, Mr. C.S. Basavanna, Purchase and Stores Officer and Mr. S. Philiminoraj, Consultant. Mr. Randhir Jaiswal, Deputy Secretary, Ministry of External Affairs arranged and was present at the meeting.

15. ISTRAC representatives were familiar with BIS regulations. In February 2005, ECO Michael Rufe conducted five PSVs at ISTRAC. In March 2007, ECO Perry Davis conducted one PSV at ISTRAC.

16. Chiranjeevi provided copies of documents pertaining to this transaction including TIME TECH Commercial Invoice, TIME TECH Quotation, ISTRAC Purchase Order, TIME TECH Proforma Invoice, End-Use Statements (German and U.S.), Air Waybill, Air Cargo Arrival Notice, and Delivery Challan. He explained that ISTRAC did not have any direct contact with SYMMETRICOM relating to this transaction.

17. Chiranjeevi advised that the equipment was delivered to their facility on September 10, 2007 from TIME TECH in Stuttgart, Germany where modifications had been made. He confirmed the stated end-use. The Primary Frequency Standards will be used to support the Indian Deep Space Network (DSN) established at Byalalu Village for the upcoming Moon Mission, CHANDRAYAAN I. The DSN will help scientists track the spacecraft during this mission. Chiranjeevi confirmed that he was aware of the license conditions as he had received a copy of the BIS Export License. He asserted that ISTRAC would comply with these conditions.

18. After the meeting, the BIS team drove 40 kilometers to Byalalu Village where a new tracking facility is under construction. The Primary Frequency Standards are already installed and operational at this location. ECO verified the serial numbers as US45382267 and US45382259. This facility is patrolled 24/7 by personnel from GOI's Central Industrial Security Force.

19. Recommendation: At the time of this visit, ISRO Telemetry,

Tracking and Command Network appeared to be a suitable recipient of this controlled technology. The item on check was physically verified and was being used in a manner consistent with the export license conditions and the Export Administration Regulations.

MULFORD